Fluent in Five

Progression in Objectives Document

Year 2

THIRD SPACE LEARNING

Progression in Objectives

This shows the objectives for Year 2 that can be tested in the arithmetic paper. These are shown alongside Year 1 objectives, which by the start of Year 2 it is assumed all children will be secure in. The Fluent in Five daily challenges are based on children progressing to Year 2 objectives throughout the first term, with the majority of calculations objectives secure by the start of spring term.

Contents

Number and place value

	Content domain references	End of Year 1	End of Year 2
Number and place value	**N1** Counting in multiples (NB: Can be used for multiplication questions in arithmetic papers).	Count in ones up to and across 100, forward and backwards, beginning with 0 or 1 or from any given number. Count in multiples of two, five and ten.	Count in steps of 2, 3 and 5, from 0, and in tens from any number, forward or backward.
	N2 Reading and writing numbers (NB: This is the highest value numbers that can be tested).	Count, read and write numbers to 100 in numerals. Read and write numbers from 1 to 20 in words.	Read and write numbers to at least 100 in numerals and in words.
	N3 Compare and order numbers.		Compare and order numbers from 0 up to 100; using <, > and = signs.
	N4 Finding more or less (mentally)	Identify one more and one less.	

	Content domain references	End of Year 1	End of Year 2
Number and place value (continued)	**N**5 Place value in numbers		Recognise the place value of each digit in a two-digit number (tens and ones).

The Four Operations

	Content domain references	End of Year 1	End of Year 2
The four operations	**C KS1 1** Number bonds and known facts (addition)	Represent and use number bonds within 20.	Recall and use addition facts to 20 fluently and derive and use related facts up to 100.
	C KS1 2 Number bonds and known facts (subtraction)	Represent and use number bonds and related subtraction facts within 20.	Recall and use subtraction facts to 20 fluently and derive and use related facts up to 100.
	C1 Mental addition and subtraction	a) Add and subtract one-digit and two-digit numbers to 20, including zero	b) Add and subtract a two-digit number and ones.
			c) Add and subtract a two-digit number and tens.
			d) Add and subtract two two-digit numbers (no crossing of tens boundary).
			e) Add three one-digit numbers.

	Content domain references	End of Year 1	End of Year 2
The four operations (continued)	**C2** Written addition and subtraction	a) Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs.	Add and subtract numbers using concrete objects and pictorial representations, including: • a two-digit number and ones • a two-digit number and tens • two two-digit numbers • adding three one-digit numbers
		b) Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9	
	C3 Known multiplication and division facts		a) Recall and use multiplication and division facts for the 2 times multiplication table, including recognising odd and even numbers.

	Content domain references	End of Year 1	End of Year 2
The four operations (continued)			b) Recall and use multiplication and division facts for the 5 times multiplication table.
			c) Recall and use multiplication and division facts for 10 times multiplication table.
	C8 Multiplication and Division (informal methods)	a) Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	b) Calculate mathematical statements for multiplication within the known the multiplication tables and write them using the multiplication (×), and equals (=) signs.

	Content domain references	End of Year 1	End of Year 2
The four operations (continued)			c) Calculate mathematical statements division within the known the multiplication tables and write them using the division (÷) and equals (=) signs.

Fractions

	Content domain references	End of Year 1	End of Year 2
Fractions	**F1** Fractions of numbers	Recognise, find and name a half and one quarter as one of two equal parts of an object, shape or quantity.	Recognise, find, name and write fractions ½, ¼, $^{2}/_{4}$ and ¾ of a length, shape, set of objects or quantity.
	F3 Types of fractions		Write simple fractions [e.g. 12 of 6 = 3]
	F4 Equivalent fractions		Recognise the equivalence of $^{2}/_{4}$ and $^{1}/_{2}$